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Annual Report

UPON THE

PUBLIC HEALTH AND SANITARY CONDITION

OF THE

TADCASTER RURAL DISTRICT

FOR THE YEAR 1905,

BY

BERNARD STEDMAN,

M.D. (Lond.), D.P.H. (Camb.),

MEDICAL OFFICER OF HEALTH.

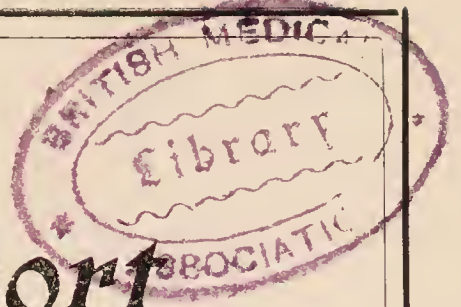


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TADCASTER RURAL DISTRICT COUNCIL.



ANNUAL REPORT

UPON THE

Public Health and Sanitary Conditions for 1905.

MISS BETHEL AND GENTLEMEN,

I beg to submit to you my Annual Report upon the state of the the Public Health and Sanitary Condition of your District for the year 1905.

It will be seen from the tables at the end of the Report that the health of the district has been satisfactory maintained during the year.

POPULATION.

The estimated population is 30,900. As in previous years the increase seems to be entirely in the Aberford sub-district, especially in the parishes of Garforth, Kippax, and Allerton Bywater. Eighty new houses have been certified for occupation during the year, practically all being workmen's cottages.

BIRTHS.

954 births have been registered, the birth rate being 30·9 per thousand. This is the same as last year and about 2 below the average. The birth rate for England and Wales in 1905 was 27·2, the lowest ever recorded. In each sub-district the variation is only slight; but the parishes of Tadcaster, Kippax, Garforth, and Allerton show a high birth rate, whereas that of Barwick is exceptionally low.

DEATHS.

444 deaths have been recorded; giving a death rate of 14·3 per thousand. This is the lowest rate for the last ten years and is nearly 3 per thousand below the average. The death rate for England and Wales in 1905 was 15·2

The number of deaths has been excessive in the parishes of Kippax and Tadcaster, especially the latter.

From the seven chief epidemic diseases (small-pox, measles, scarlet fever, whooping cough, diphtheria, typhoid fever and diarrhœa) 48 deaths have occurred giving a zymotic death rate of 1·5.

119 deaths have been children under 1 year of age. The infantile mortality (*i.e.* rate per thousand births) is 124. This is well below the average rate. It has been high in Tadcaster and Kippax; due partly to deaths from whooping cough and measles in those places.

			Birth Rate.		Death Rate.		Infantile Mortality.
Whole District	...	...	30·9	...	14·3	...	124
Aberford Sub-district	...	...	31·3	...	14·4	...	130
Tadcaster	„	...	29·8	...	15·9	...	147
Sherburn	„	...	30·5	...	12·0	...	59
Allerton Parish	...	...	33	...	12	...	102
Garforth	„	...	34	...	13	...	102
Kippax	„	...	36	...	18	...	194
Barwick	„	...	18	...	14	...	120
Tadcaster	„	...	40	...	22	...	184

INFECTIOUS DISEASES.

222 cases have been notified which is about half the number reported in 1904. The difference is almost entirely in the scarlet fever cases.

	1901	1902	1903	1904	1905
Small-pox	... 0	... 2	... 4	... 2	... 0
Scarlet Fever	... 146	... 79	... 308	... 372	... 163
Typhoid „	... 58	... 51	... 33	... 33	... 29
Diphtheria	... 5	... 26	... 6	... 2	.. 17
Number of Cases } removed in hospital }	116	... 88	... 201	... 136	... 86

SCARLET FEVER OR SCARLATINA.

163 cases have been reported of which 148 were in the Aberford sub-division. Most of the cases were slight, 5 only terminating fatally.

In nearly half the total number the source of infection was a previous case in the same house.

Many of the notifications were not received until the patient was feeling the complaint, being so slight that its nature was not recognised until this stage. As the most infectious period is the early stage of the disease and not during desquamation as was formerly believed, it is almost impossible to stop the spread of the complaint,

This change in scarlet fever to a much milder type has been going on for about the last twenty years. It greatly reduces the advantages of hospital isolation, indeed many sanitary authorities at the present time only remove the most urgent cases to hospital.

Early in the year a number of cases occurred in Tadcaster. A woman informed the sanitary inspector that her child was peeling. I visited the case the following day when it was evident she had had the complaint for several weeks, she had been running about the whole time and the parents were quite unaware she was suffering from anything beyond a slight cold. She was removed at once to hospital, but probably had been the source of infection in several of the other cases.

Scarlet fever has been prevalent in Garforth throughout the year, though scarcely at any time sufficient to constitute an epidemic.

In August a number of cases were notified in Barwick. Towards the end of the month two were reported whilst in the peeling stage. They stated that the doctor had been called in on account of this peeling, and they were quite unaware of the nature of the complaint.

After the isolation of these patients the notifications ceased.

Owing to the number of cases in the village and the bad attendance at school I recommended closure from September 9th for three weeks.

DIPHTHERIA.

17 cases have been notified as diphtheria, and several others removed to the hospital as scarlet fever probably were also suffering from diphtheria.

For the last few years almost all the cases of scarlet fever have occurred in the Aberford sub-district, and most of the diphtheria cases (though not very numerous) have been in or near Tadcaster.

Of the number this year one was imported and five were traced to a previous case. The others were all isolated cases and the source of infection unknown.

Twenty specimens have been sent to the County Council for bacteriological examination from persons suspected to be suffering from diphtheria.

TYPHOID FEVER.

29 cases have been reported. In one of these the diagnosis was doubtful and one was imported from Leeds.

One person visited Lincoln a fortnight before the illness commenced, and probably contracted the complaint at this time as the town was then suffering from the severe epidemic,

In South Milford 4 cases were notified in August and September, one was due to nursing a previous case. Typhoid fever recurs in this village each year and the cases are usually severe, three during the present year proving fatal.

Seven occurred in Lock Lane in September and October, three being children. No apparent connection existed between the cases except in one instance where they were brothers.

It is becoming apparent each year that this disease is more infectious in the ordinary sense of the word than was formerly supposed.

Four specimens were sent to the County Council for a bacteriological examination.

MEASLES.

An epidemic occurred at Colton in January for which the school was closed for three weeks.

Bilborough was next affected and on January 26th I recommended school closure until February 20th. The complaint then spread to Askham Bryan and the school was closed for a similar period.

At Swillington Common in May the school was closed on account of an epidemic.

Towards the end of November cases arose in Kippax. On December 2nd I recommended closure of the infants' department of the school until the end of the year. Older children from infected houses were allowed to attend school if they had previously had measles. It was not found necessary to close the whole school.

An epidemic of chicken-pox occurred at Askham Bryan necessitating closure of the school from October 23rd to November 6th.

ISOLATION HOSPITALS.

The new caretaker's cottage at the Sherburn Small-pox Hospital has been completed. The rooms in the old cottage can now be used as private wards for patients. There is accommodation for twenty patients in the hospital.

One case only has been admitted during the year. The patient coming from the Selby Rural District.

86 cases have been admitted to the Garforth Hospital viz., 6 diphtheria, 65 scarlet fever, and 15 of typhoid fever.

No further progress has been made during the year towards the erection of a permanent hospital on the site recently purchased for this purpose.

WATER SUPPLY.

At Crossgates a new 6 inch main has been laid to replace the original one which was only four inches in diameter. From this it is proposed to take a three inch pipe to supply the houses at Old Manston.

Complaints have been made of the scarcity of water at Scholes, this village could now be supplied from Crossgates.

As the water obtained from the well at Kiddall Lane proved too hard for domestic use so it was decided before proceeding further with the scheme, to obtain the advice of an engineer and a geologist. Their recommendation was to abandon the present site and go to Saw Wood, about a mile from the existing well.

Complaints are made of the excessive hardness of the Tadcaster water. Possibly some method of softening it will be required. The old shallow polluted wells are rapidly being abandoned in favour of the public supply. At Old Micklefield most of the wells were dry during the summer. I recommended a main being laid from the New Micklefield system, but the cost was considered too great. The existing wells are being made deeper.

SEWERAGE AND SEWAGE DISPOSAL.

The new works at Garforth are now in operation and appear to be satisfactory. The system is that of septic tank and single contact beds, from which the effluent is irrigated over land.

Last year I reported upon the unsatisfactory condition of East Garforth; the sewage of which is discharged into an old colliery shaft and becomes offensive in hot weather. Plans have now been made for bringing the sewage into a septic tank near the colliery. From the effluent chamber the liquid will be pumped into and used by the colliery boilers. This system has been adopted at Micklefield during the past year, and has also been in operation several years at Great Preston where the whole of the sewage effluent is used in the boilers at Messrs. Bowers' Colliery.

The disposal works at Tadcaster are not yet in operation owing to a mishap to the machinery. Most of the houses are connected to the new sewers.

The sewage works at Crossgates are now being enlarged owing to numerous complaints from the West Riding Rivers Board of the unpurified state of the effluent.

Extensions have been necessary at Kippax to deal with the rapidly increasing number of houses in Preston Lane.

Four hundred yards of new sewer have been laid in Scholes.

DISPOSAL OF REFUSE.

The majority of houses in this district are provided with privies, even in places where the water supply and drainage suffice for water closets. In those districts which have no public water supply, and where each cottage is provided with a small garden, the proper system of disposal of excreta is by a pail closet, which requires emptying at least once a week. In other places water closets should be compulsory for all new houses and to replace existing privies where these are so close to the houses as to be a nuisance or injurious to the health of the inhabitants. Unfortunately a charge is still made for the water supply to a closet and this I believe has some effect in hindering their adoption. I have on several occasions advised the abolition of this tax.

A rapidly increasing number of w.c.'s are replacing old defective privies in Tadcaster, but elsewhere they are not common.

The scavenging is still far from satisfactory but I believe the Council purpose doing the work with their own staff in several of the parishes where it is now performed by contractors. Nuisance has been caused on several occasions by the scavengers depositing the contents of ashpits to construct new streets, the practice has now been forbidden.

COMMON LODGING HOUSES.

I have complained several times of the condition of the Common Lodging Houses in Tadcaster, and notices have been served upon the keepers. In September an inspection was made during the night and both houses found to be overcrowded. The keepers were summoned and convictions obtained.

WORKSHOPS AND WORKPLACES.

Sixteen are at present in the register; they are well kept and in good condition; the space and ventilation being sufficient. There are no outworkers in the district.

The Inspector's Reports give details of other sanitary work carried out during the year.

I am, Gentlemen,

Your obedient Servant,

BERNARD STEDMAN,

M.D. (Lond.), D.P.H. (Camb.),

Medical Officer of Health.



SANITARY INSPECTOR'S REPORT.

(WESTERN DIVISION.)

NEW BUILDINGS.

Plans approved for New Houses	...	...	...	...	85
Plans approved for other Buildings	...	...	...	...	28
New Houses completed	...	...	...	...	68
Other Buildings completed	...	...	...	...	17
New Gullies to above Buildings	...	...	...	...	99
New Drains	...	...	...	...	1,607 yds.
Rain-water Tanks	...	...	...	...	1
Cesspools	...	...	...	...	5
New Privies	...	...	...	...	49
New W.C.'s	...	...	...	...	13

SEWER EXTENSIONS.

Kippax	...	...	...	...	...	584 yds.
Scholes	...	...	...	...	...	418 yds.

NUISANCES.

New Drains laid	...	...	...	...	...	1,456 yds.
House Drains disconnected	...	...	...	...	...	10
New Sink Washer fixed	...	...	...	...	...	9
New Gullies put in	...	...	...	...	...	71
Drains relaid	...	...	...	...	...	86 yds.
Open Water Courses cleaned out	...	...	...	...	...	872 yds.
New Privies and Ashpits built	...	...	...	...	...	6
Privies and Ashpits rebuilt	...	...	...	...	...	54
Old Premises removed	...	...	...	...	...	1
W.C.'s put in	...	...	...	...	...	13

NUISANCES—*continued.*

Cesspools cleaned	...	...	...	...	...	...	1
Houses stoved...	...	...	...	...	...	...	82
Houses overcrowded and abated	...	...	...	...	...	...	5
Houses repaired	...	...	...	...	...	...	2
Pigstyes removed	...	...	...	...	...	...	3
Manure heaps removed	...	...	...	...	...	...	5
New Wells sunk	...	...	...	...	...	...	1
Wells cleaned and Pumps repaired	...	...	...	...	...	...	3
Urinals repaired	...	...	...	...	...	...	5
Cowsheds inspected	...	...	...	...	...	...	85
Cowsheds limewashed...	...	...	...	...	...	...	38
Cowsheds repaired	...	...	...	...	...	...	2
Other Nuisances abated	...	...	...	...	...	...	46
Slaughter Houses repaired	...	...	...	...	...	...	2
Slaughter Houses inspected	...	...	...	...	...	...	30
Canal Boats inspected	...	...	...	...	...	...	42

H. M. DRIVER,

Sanitary Inspector and Surveyor,

GARFORTH.

SANITARY INSPECTOR'S REPORT.

(EASTERN DIVISION.)

NUISANCES.

Reports made to the Sanitary Committee	25
Inspections made, accompanied by the Medical Officer of Health	116
Rooms disinfected	30
Public Schools disinfected which were closed on account of epidemics	3
Nuisances observed or complaints received... ..	297
Notices served to abate nuisances	142
Notices served by the District Council	26
Nuisances abated	171
Samples of Water taken from wells and sent for analysis ...	13
Existing Houses provided with a wholesome supply of drinking water	87
Cases of overcrowding remedied	2
New Drains laid and approved to existing houses	2,479 yds.
New Drains inspected and approved in connection with new properties	280
New Trap Gullies fixed to existing houses	116
Houses redrained	56
New Public Sewers laid	450 yds.
Manholes provided to public sewers... ..	3
Flushing Chamber provided to public sewer	1
Public Sewers repaired	4
Intercepting or Disconnecting Traps fixed to drains ...	26
Septic Tank provided to private residence	1
Inspection Chambers provided to drains	52
Ventilation Shafts provided to public sewers	8
New W.C.'s provided to existing houses	25

NUISANCES—*continued.*

Defective Soil Pipes repaired...	...	...	...	...	...	2
Sanitary Bins provided in place of defective ashpits	...	...	...	...	...	11
New Privies and Ashpits built	...	...	...	...	...	11
Old Privies and Ashpits repaired	...	...	...	...	...	35
Old Privies and Ashpits removed	...	...	...	...	...	20
New Cesspools built to existing houses	...	...	...	...	...	4
Urinals constructed	...	...	...	...	...	2
Open Sewers cleansed...	...	...	...	...	...	950 yds.
Cowsheds Inspected	...	...	...	...	...	86
Cowsheds altered and properly drained	...	...	...	...	...	8
Slaughter House inspected	...	...	...	...	...	18
Slaughter House provided with new concrete floor and properly drained	...	...	...	...	...	1
Pigstyes removed	...	...	...	...	...	5
Wells cleansed and Pumps repaired	...	...	...	...	...	6
Miscellaneous Nuisances abated	...	...	...	...	...	55
Plans of New Premises approved	...	...	...	...	...	21
New Houses passed for occupation	...	...	...	...	...	12

H. C. WOOD, A.R.SAN.I.,

Assistant Inspector, Tadcaster.

TABLE I.

Vital Statistics of Whole District during 1905 and previous Years. Name of District, TADCASTER RURAL.

YEAR.	Popula- tion estimated to Middle of each year.	BIRTHS.		Total Deaths Registered in the District.						Total Deaths in Public Institu- tions in the District.	Deaths of Non- residents registered in Public Institu- tions in the District	Deaths of Residents registered in Public Institu- tions beyond the District.	Nett Deaths at all Ages belonging to the District.	
				Under 1 year of age.		At all Ages.		Number.	Rate.*					
		Numbers.	Rate.*	Number.	Rate.*									
1895	27,130	924	34'0	130	139	482	17'7	...	...	13	...	482	17'7
1896	27,430	856	31'2	116	135	487	17'7	...	...	16	...	487	17'7
1897	27,700	944	34'0	149	187	501	18'2	...	...	28	...	501	18'2
1898	28,000	951	34'1	143	150	492	17'5	...	...	17	...	492	17'5
1899	28,550	941	33'0	114	121	479	16'8	....	...	23	....	479	16'8
1900	29,000	955	33'0	137	143	524	18'0	...	...	15	...	525	18'1
1901	29,515	975	33'0	136	139	466	15'7	...	...	21	...	468	15'8
1902	30,050	937	31'2	126	134	480	15'9	...	...	26	...	486	16'0
1903	30,500	983	32'2	126	128	466	15'2	4	18	29	4	480	15'7	
1904	30,700	949	30'9	115	121	459	14'9	2	13	16	2	470	15'3	
Averages for years 1895-1904.	28,857	941	32'6	129	137	484	16'8	1	4	20	1	487	16'9	
1905	30,900	954	30'9	119	124	438	14'2	1	7	16	1	444	14'3	

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres }
(exclusive of area }
covered by water). } 72,594.

Total population at all ages ...
Number of inhabited houses ...
Average number of persons per house ...

29,507 }
6,169 } At Census of 1901.
4'7 }

TABLE II.

Vital Statistics of separate Localities in 1905 and previous years.
Name of District, TADCASTER RURAL.

NAMES OF LOCALITIES.	ABERFORD.				TADCASTER.				SHERBURN.			
	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
YEAR.												
1898	17500	641	336	101	6442	191	96	31	4058	119	60	11
1899	18000	663	303	78	6490	173	120	23	4060	105	56	13
1900	18400	647	324	93	6540	184	116	25	4060	124	85	19
1901	19053	672	317	98	6541	178	93	23	3921	125	58	15
1902	19600	659	313	95	6574	166	107	16	3876	112	66	15
1903	20000	692	300	90	6600	163	108	18	3900	128	72	18
1904	20200	649	314	90	6600	176	99	15	3900	124	57	10
Averages of Years 1898 to 1904.	18965	660	315	92	6541	176	106	21	3968	119	65	14
1905	20400	638	292	83	6600	197	105	29	3900	119	47	7

TABLE III.
CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR, 1905.
Name of District, TADCASTER RURAL.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.			NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.		
	AT AGES—YEARS.						Aberford	Tadcaster	Sherburn	Aberford H.	Tadcaster W.	Sherburn H.
	At all Ages.	Under 1.	1 to 5.	5 to 15	15 to 25	25 to 65.						
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	17	...	1	5	3	8	5	9	3	3	3	...
Membranous Croup	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	12	...	...	...	...	12	10	2	...	...	...	...
Scarlet Fever	163	2	43	101	14	3	148	11	4	55	10	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	29	...	1	5	6	16	23	1	5	12	1	2
Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	1	...	...	...	1	...	...	...	1	...	...	...
Plague ...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	222	2	45	111	24	39	186	23	13	70	14	2

Isolation Hospital at Garforth in the Aberford Sub-District.
Small-pox Hospital at Sherburn.

TABLE IV.

Causes of, and Ages at, Death during the Year 1905.

Name of District, TADCASTER RURAL.

CAUSES OF DEATH.	DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING IN OR BEYOND THE DISTRICT.							DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES)			TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Aberford.	Tadcaster.	Sherburn.	
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...	1
Measles	8	1	7	...	...	...	...	8	...	...	...
Scarlet Fever	5	2	1	2	...	...	...	4	1	...	1
Whooping cough	15	5	7	3	...	...	...	9	6	...	...
Diphtheria and mem- branous croup	2	...	1	1	...	...	...	...	2	...	1
Croup	1	...	1	...	...	...	...	1	...	...	...
Fever { Typhus ... ..	...	...	...	...	...	...	...	...	...	...	...
{ Enteric	5	...	...	...	1	4	...	2	...	3	...
{ Other continued	...	...	...	...	...	...	...	...	...	...	...
Epidemic influenza	5	...	...	...	...	4	1	5	...	...	1
Cholera ... ..	...	...	...	...	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa	13	9	3	...	...	...	1	9	3	1	...
Enteritis	6	4	1	...	...	1	...	4	2	...	...
Puerperal Fever	1	...	...	...	1	...	...	...	...	1	...
Erysipelas ... ..	...	...	...	...	...	...	...	...	...	...	...
Other Septic Diseases	8	1	1	...	1	1	4	5	1	2	...
Phthisis	18	...	1	2	6	9	...	13	5	...	...
Other Tubercular Diseases } ...	17	7	3	4	...	3	...	12	2	3	...
Cancer, Malignant Disease } ...	19	...	...	...	...	15	4	14	4	1	1
Bronchitis	57	19	10	1	...	5	22	38	15	4	2
Pneumonia	28	8	9	2	2	3	4	17	5	6	...
Pleurisy ... ..	...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Res- piratory Organs } ...	5	1	...	...	...	3	1	4	1	...	1
Alcoholism } ...	10	...	...	...	...	8	2	5	2	3	...
Cirrhosis of Liver } ...	...	...	...	...	...	...	...	...	...	...	...
Venereal Diseases	1	1	...	...	...	...	...	1	...	...	...
Premature Birth	18	18	...	...	...	...	...	9	8	1	...
Diseases and Accidents } of Parturition } ...	3	...	...	...	...	3	...	1	1	1	...
Heart Diseases	39	1	...	4	2	18	14	22	10	7	...
Accidents	10	...	2	...	1	5	2	8	1	1	...
Suicides	3	...	...	...	...	...	3	3	...	...	...
All other causes	147	42	7	3	2	35	58	98	36	13	8
All causes	444	119	54	22	16	117	116	292	105	47	16

TABLE V.
 INFANTILE MORTALITY DURING THE YEAR 1905.
 Name of District, TADCASTER RURAL.

CAUSE OF DEATH.				Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All Causes.	Certified ...	...	...	20	3	7	3	33	18	9	12	12	6	9	7	2	3	4	4	119
	Uncertified	...	...	0	...	...	...	0	0	...	...	0	0	0	...	...	...	...	...	...
Common Infectious Diseases	Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chicken-pox	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
	Measles	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
	Scarlet Fever	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	2
Diarrhoeal Diseases	Diphtheria: Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Whooping Cough	...	...	...	...	...	...	...	...	1	1	...	2	...	...	...	1	...	...	5
	Diarrhoea, all forms	...	...	...	...	...	...	...	...	3	2	1	3	...	...	...	...	...	...	9
	Enteritis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wasting Diseases	(not Tuberculous)	...	...	...	...	1	...	1	...	...	1	1	...	...	...	...	1	...	...	4
	Gastritis, Gastro-intestinal Catarrh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Premature Birth	...	...	13	...	3	1	17	...	1	...	...	...	...	...	...	...	...	...	18
	Congenital Defects	...	...	1	...	...	...	1	...	...	1	...	1	...	...	...	...	...	...	3
Tuberculous Diseases	Injury at Birth	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Want of Brest-milk	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
	Atrophy; Debility, Marasmus	...	...	4	1	2	1	8	7	5	2	1	...	1	1	...	...	1	...	26
	Tuberc'ulous Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Causes	Tuberc'ulous Peritonitis	...	...	...	...	...	...	...	1	...	2	...	...	...	1	...	1	...	1	6
	Tabes Mesenterica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
	Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Syphilis	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
	Rickets	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
	Meningitis (not Tuberculous)	...	...	...	...	...	...	...	...	...	2	1	1	...	1	...	...	...	...	5
	Convulsions	...	...	1	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	3
	Bronchitis	...	...	...	...	...	...	...	5	2	...	3	3	1	2	1	1	1	...	19
	Laryngitis	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
	Pneumonia	...	...	...	...	...	...	...	1	1	...	...	...	1	1	1	1	1	1	8
	Suffocation, overlaying	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All causes	Other Causes	...	...	1	1	1	1	4	...	...	...	...	...	...	...	...	...	...	...	4
		...	...	20	3	7	3	33	18	9	12	12	6	9	7	2	3	4	4	119

Births in the year } legitimate 926.
 } illegitimate 28,

Population
 Estimated to middle of 1905.
 30,900.

